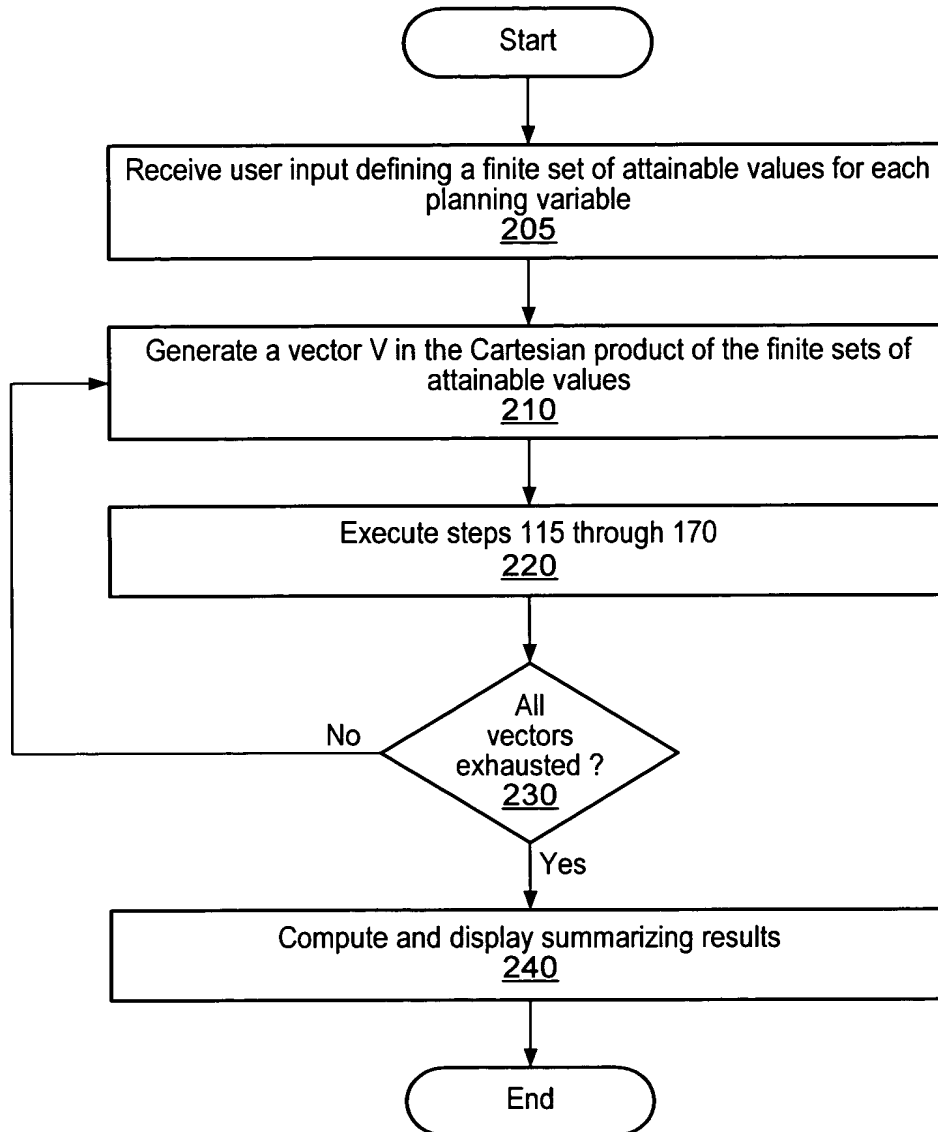


Fig. 1

*Fig. 2*

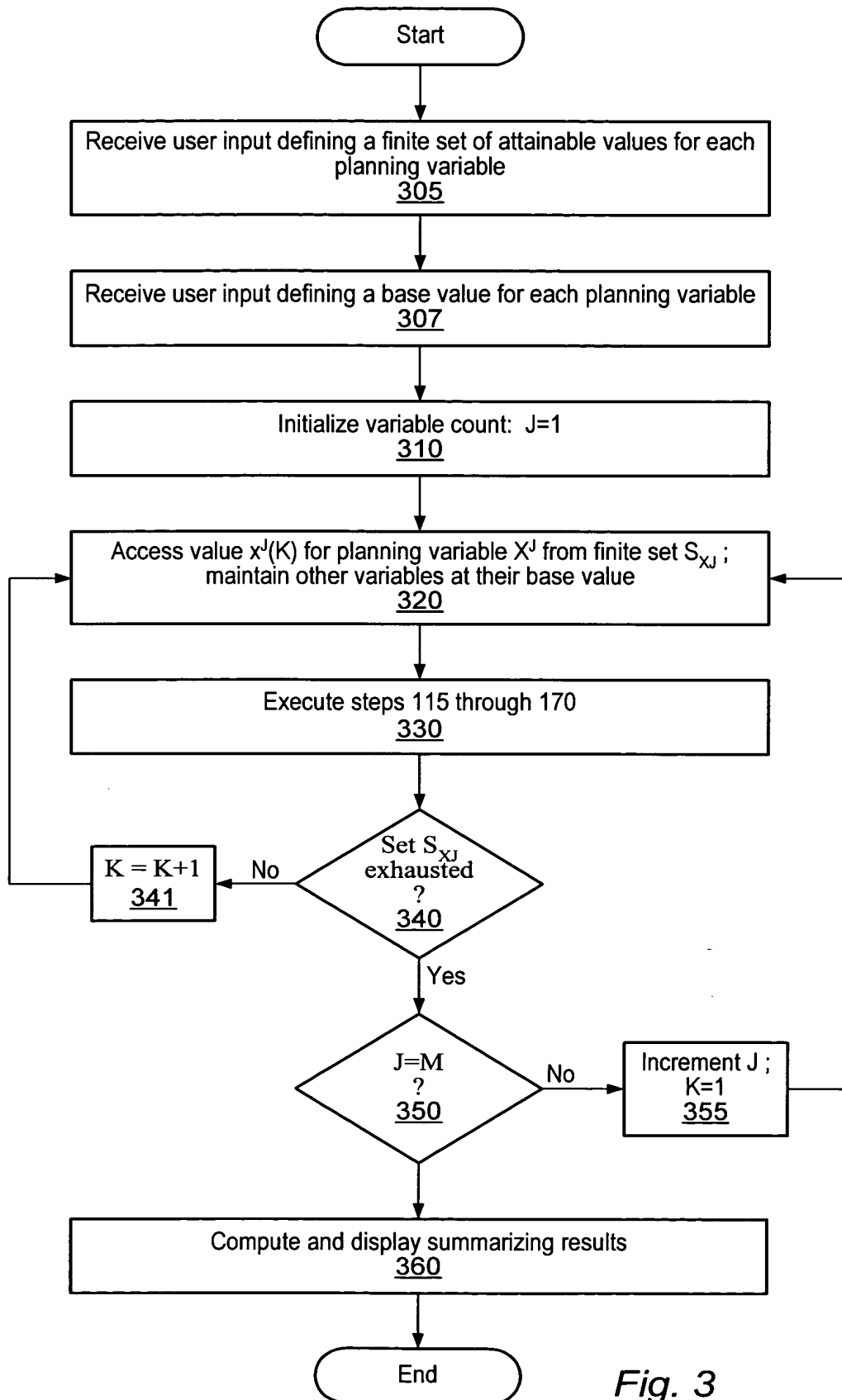


Fig. 3

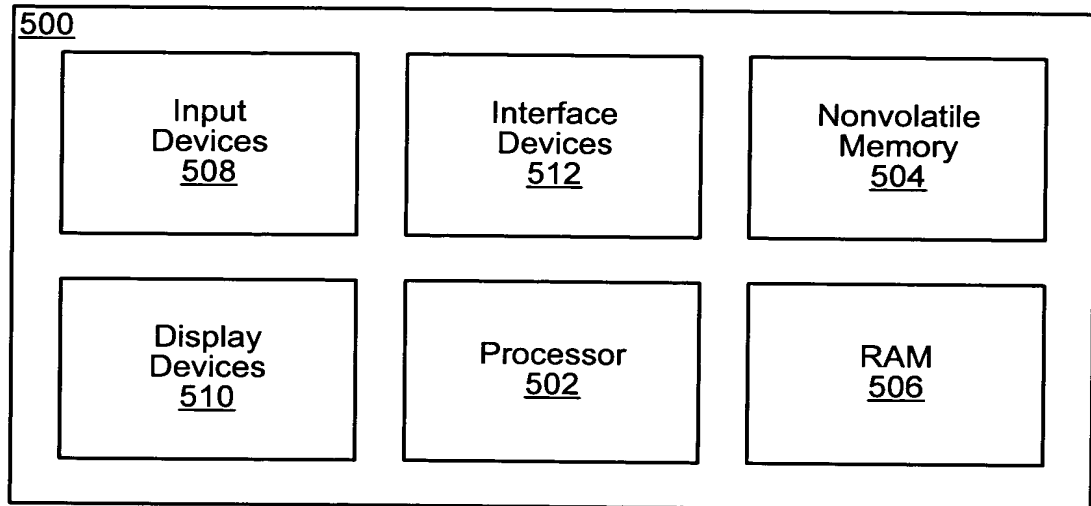


Fig. 4

Fig. 5

Fig. 5

ACB RCB

Fast Track -- Pre-Production Schedule Set Model

Configuration model: Altheasca Layout

Facilities: 3 # Unscheduled: Wells: 94 Facilities: 3

by Tree

| Facility Name | Facility Type | Status | Schedule |
|---------------|----------------------|-------------|-----------------|
| PLAT 01 | Facility | Scheduled | Tanco Workgroup |
| PLAT 02 | Facility | Unscheduled | |
| PLAT 03 | Facility | Unscheduled | |
| PLAT 04 | Facility | Unscheduled | |
| Well P04-01 | Production Well | Unscheduled | |
| Well P04-02 | Production Well | Unscheduled | |
| Well P04-03 | Water Injection Well | Unscheduled | |
| Well P04-04 | Production Well | Unscheduled | |
| Well P04-05 | Production Well | Unscheduled | |
| Well P04-06 | Water Injection Well | Unscheduled | |
| Well P04-07 | Water Injection Well | Unscheduled | |
| Well P04-08 | Production Well | Unscheduled | |
| Well P04-09 | Production Well | Unscheduled | |
| Well P04-10 | Production Well | Unscheduled | |
| Well P04-11 | Production Well | Unscheduled | |
| Well P04-12 | Water Injection Well | Unscheduled | |
| Well P04-13 | Production Well | Unscheduled | |
| Well P04-14 | Production Well | Unscheduled | |
| Well P04-15 | Production Well | Unscheduled | |
| Well P04-16 | Water Injection Well | Unscheduled | |

Global Parameters

☐ Use common production start

Information

Model name: Fast Track

By: Arturo Sandoval

Date: 13:01, 15 October 2003

Status: ☒ Complete

Project start: 1 Dec 2003

Notes:

OK Cancel Apply Help...

Fig. 6

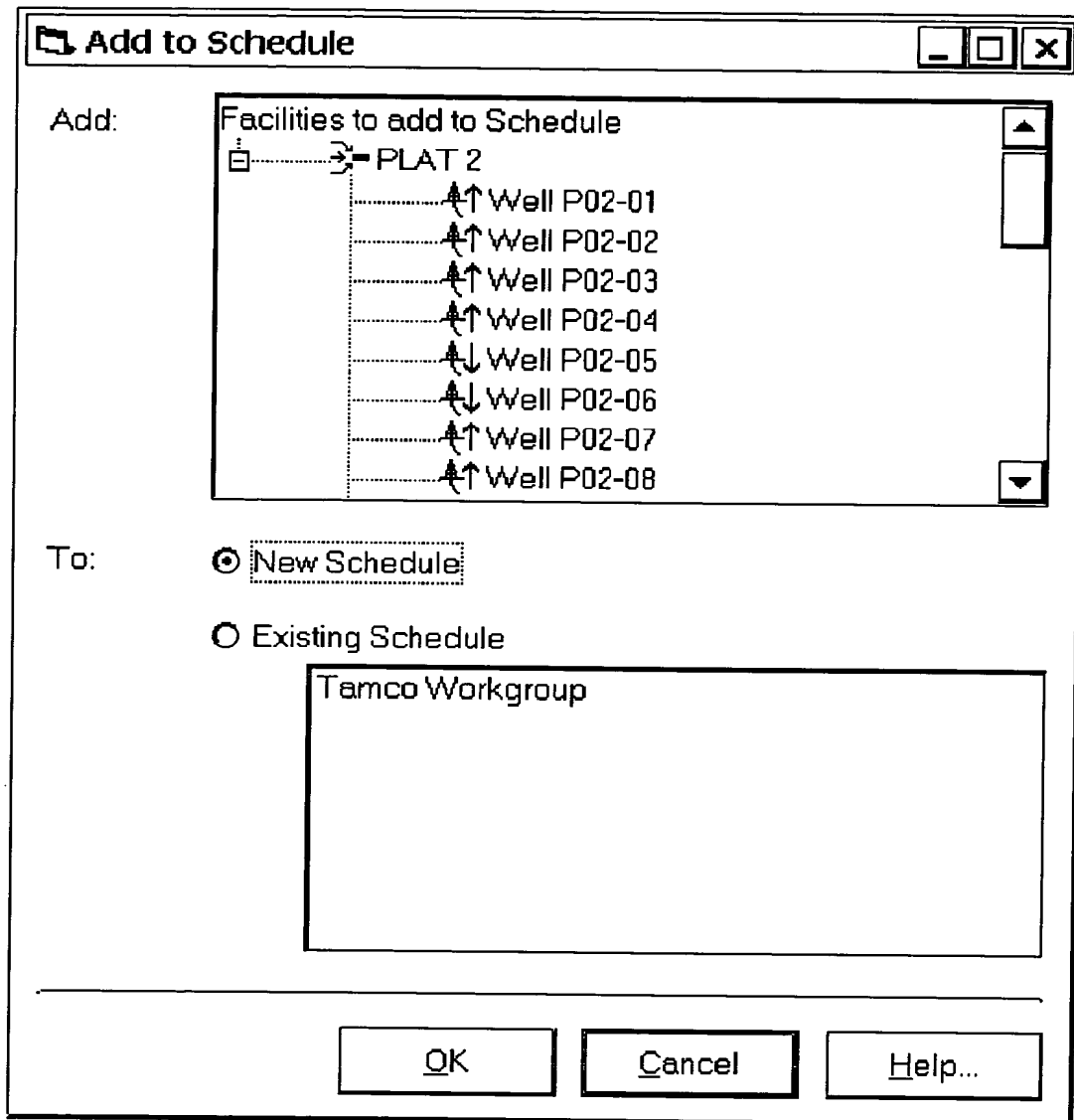


Fig. 7

Peruvian Group -- Pre-Production Schedule

Schedule Parameters

Order schedule: ☐ Randomly ☒ Using the following order:

| Facility Name | Ranking |
|---------------|---------|
| PLAT 2 | 1 |
| Well P02-01 | 2 |
| Well P02-02 | 3 |
| Well P02-03 | 4 |
| Well P02-04 | 5 |
| Well P02-05 | 6 |
| Well P02-06 | 7 |
| Well P02-07 | 8 |
| Well P02-08 | 9 |
| Well P02-09 | 10 |
| Well P02-10 | 11 |
| Well P02-11 | 12 |
| Well P02-12 | 13 |

☒ = Actual drilling days available from Wellbore Planning

Drilling Schedule: ☐ Use actual days from Wellbore Planning (if available)

DSA Days per well: days

Well Completion Schedule:

☐ Alter drilling each well

☒ Alter drilling all wells

Delay: days

Days per well: days

Facility Installation Schedule:

☐ Rate: facilities/ months

☒ # of days: days

Production start: days

Estimated Dates

Schedule start: 22 April 2002 based on rate

Drilling end: 7 August 2004 based on rate

Completion end: 20 August 2004 based on rate

Installation end: 15 September 2004 based on rate

Production start: 15 September 2004 based on rate

Information

Schedule name:

By: Arturo Sandoval

Date: 13:01, 15 October 2003

Notes:

Configuration model:

Schedule Set model:

Schedule reference date: 1 Dec 2003

OK Cancel Apply Help...

Fig. 8

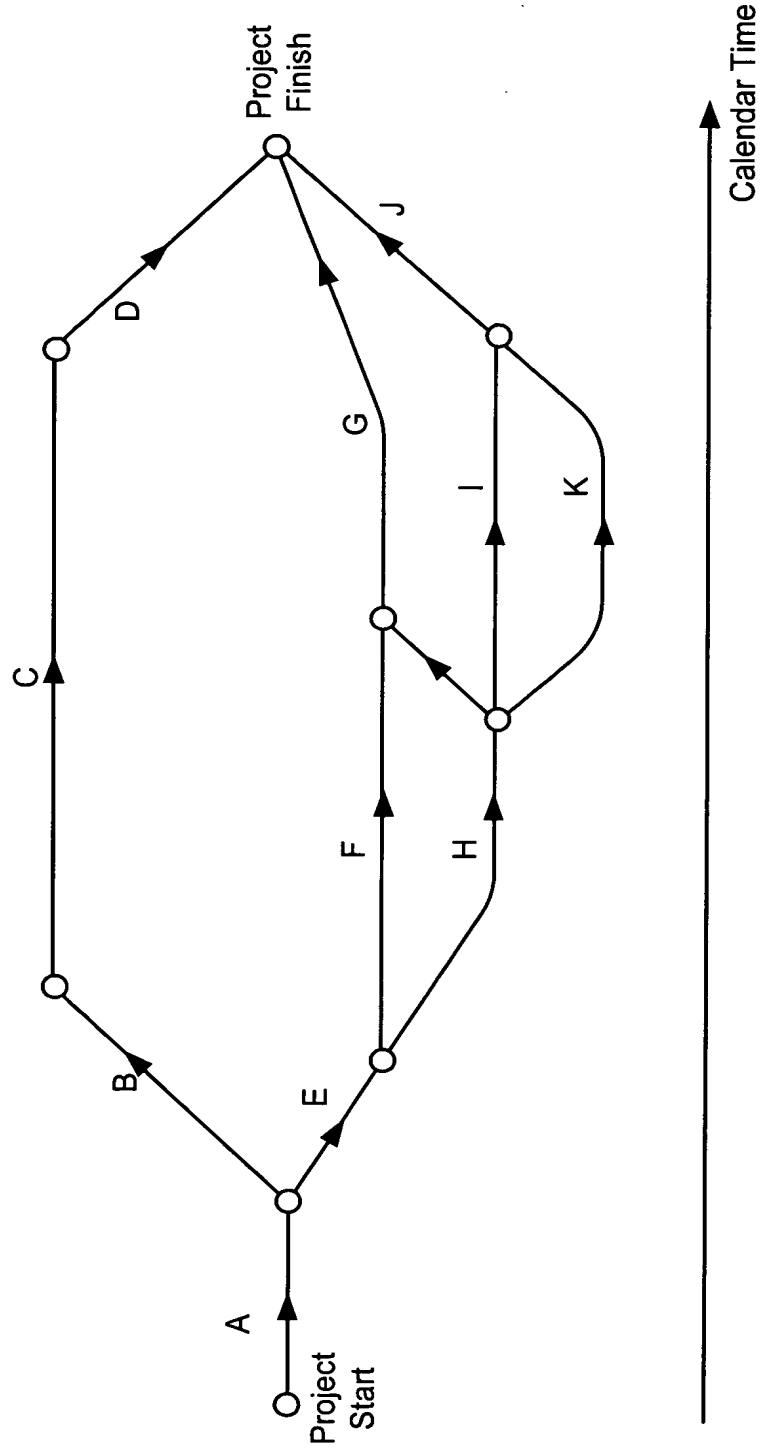


Fig. 9

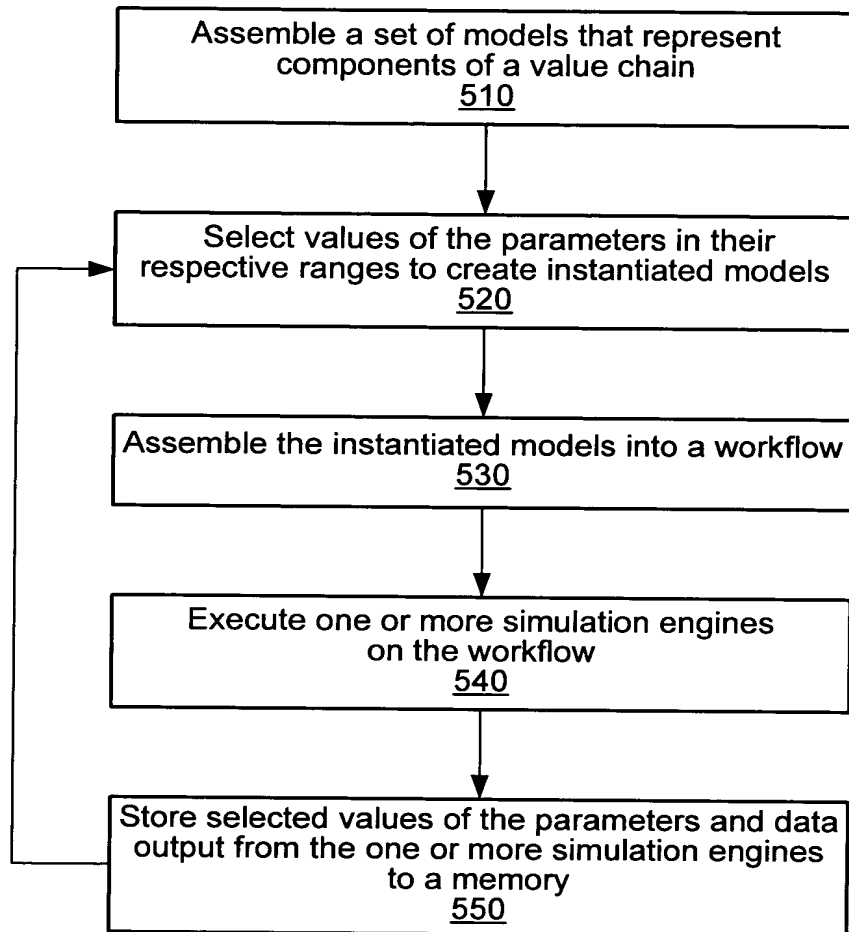
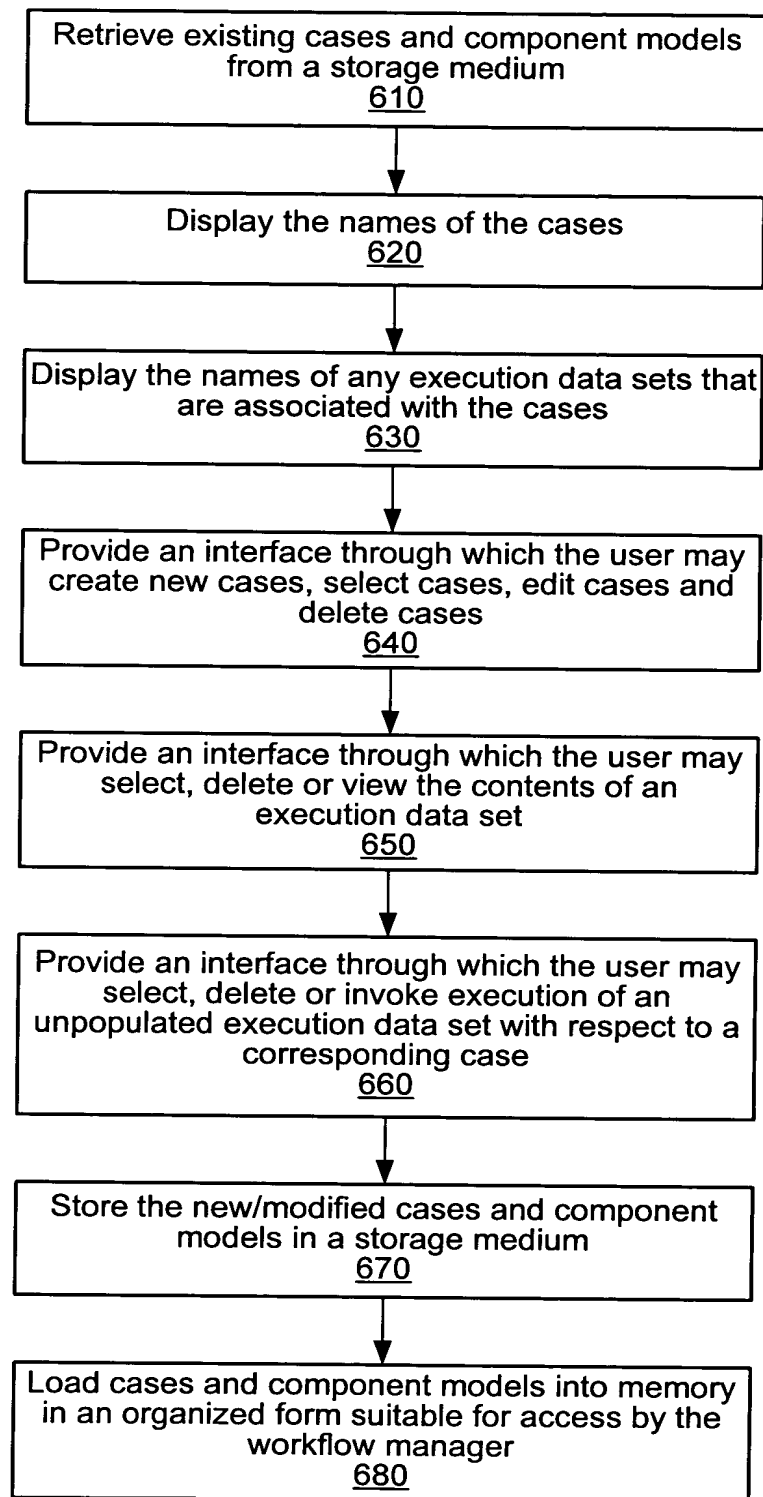


Fig. 10

*Fig. 11*

Case Manager: Main Screen

Block 10 -- DecisionSpace Decision Management System

Case Edit View Models Window Help

of Cases: 6 | # of Runs: 13 |

Block 10 Decision Workspace

Tertiary A

- Sim 1
- Sim 2
- Sim 3

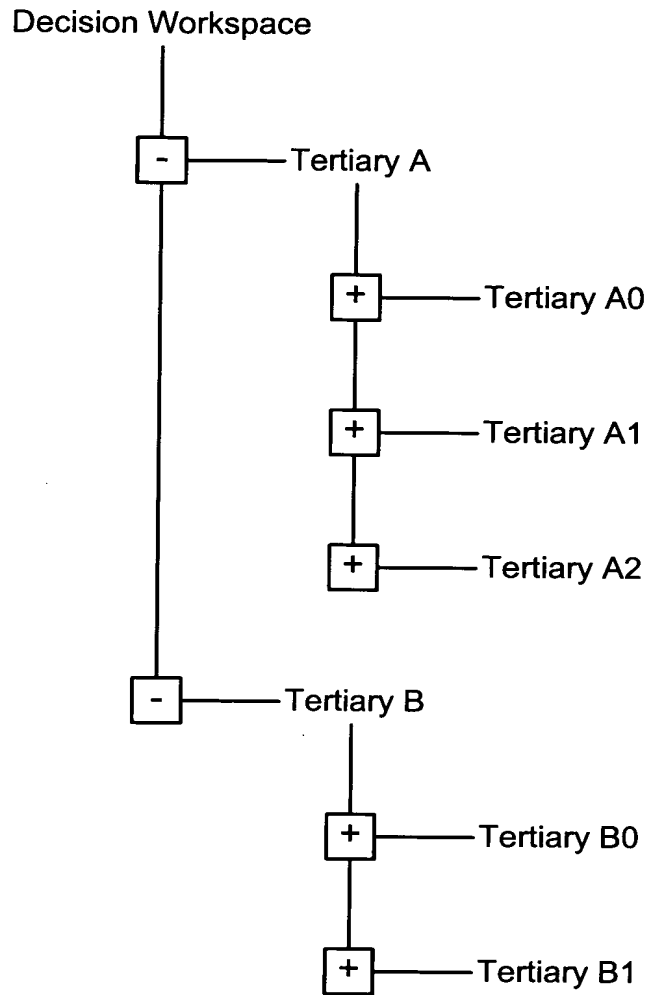
Tertiary B

- Sim 1
- Sim 2
- Sim 3

| Case Name | Run Name | Status | Type | # Iterations | Date | No |
|------------|----------|----------|-----------------------|--------------|--------------------|----|
| Tertiary A | | | Case | | 11:01, 6 Jul 2003 | |
| Tertiary A | Sim 1 | Complete | Sensitivity Analysis | 83 | 13:23, 14 Jul 2003 | |
| Tertiary A | Sim 2 | Halted | Discrete Combinations | 233 | 12:46, 23 Jul 2003 | |
| Tertiary A | Sim 3 | Complete | Discrete Combinations | 215 | 08:03, 5 Sep 2003 | |
| Tertiary B | | | Case | | 13:23, 14 Jul 2003 | |
| Tertiary B | Sim 1 | Complete | Stochastic Simulation | 38 | 13:23, 14 Jul 2003 | |
| Tertiary B | Sim 2 | Complete | Sensitivity Analysis | 83 | 13:23, 14 Jul 2003 | |
| Tertiary B | Sim 3 | Defined | Stochastic Simulation | 33 | 09:38, 18 Jul 2003 | |

Sim 3 Run completed (Tertiary A Case)

Fig. 12

*Fig. 13*